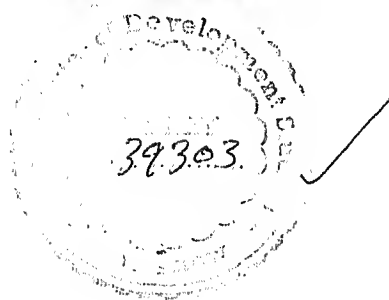


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**FINAL EVALUATION OF VERMI-CULTURE TECHNOLOGY  
BIDHUNU BLOCK DISTRICT KANPUR NAGAR  
UTTAR PRADESH**

Sponsored by :

**COUNCIL FOR ADVANCEMENT OF PEOPLE'S ACTION  
AND RURAL TECHNOLOGY (CAPART)  
LUCKNOW**



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LUCKNOW - 226 024**

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# **FINAL EVALUATION OF VERMI-CULTURE TECHNOLOGY BIDHUNU BLOCK DISTRICT KANPUR NAGAR UTTAR PRADESH**

## **EXECUTIVE SUMMARY**

A cluster of ten villages of Bidhunu block of Kanpur-Nagar District of U.P. were selected under the project vermi-culture technology by the Society for Integrated Sustainable Development, Yashoda Nagar, Kanpur (NGO). A total amount of Rs.4,16,100/- were sanctioned by the CAPART and Rs.10,405/- were contributed by the Project Implementing Agency (PIA). The project has been completed successfully and all the amount of Rs.4,26,505/- has been utilized properly.

The beneficiaries have been involved since project was conceived. The people of the target area have participated in the programme enthusiastically after a bit reluctance. There is an increasing awareness among the community regarding the adverse consequences of chemical fertilizer and pesticides. It has been found, besides target groups, village pradhans have been very co-operative and expressed there keen interest to more with new techniques of agricultural practices.

The project has been implemented in the most successful way for the improving the soil fertility and productivity of the soil with toxin free method of cultivation of commercial conventional crops. The overall performance of the organisation is found satisfactory and also found a great scope for the replication of this vermi-culture technology programme in other blocks and villages of the Kanpur-district.

## **FINAL EVALUATION OF VERMI-CULTURE TECHNOLOGY BIDHUNU BLOCK DISTRICT KANPUR NAGAR UTTAR PRADESH**

A cluster of ten villages of Bidhunu block of Kanpur-nagar, namely (1) Kharagpur (2) Nagwan (3) Ghuruwakheda (4) Gulabpur (5) Katonghar (6) Parsouli (7) Nayapurwa (8) Tulsipur (9) Palnhapur and (10) Madaiya were selected under the project vermi-culture technology by the Society for Integrated Sustainable Development, a non-governmental Organization (NGO) of Kanpur. The total cost of the project was Rs.4,161,00/- (Rs. Four Lakh Sixteen Thousand and One Hundred Only), which was sanctioned by the CAPART and released in the two instalments as an assistance, to perform the project in the ten villages of Bidhunu block of Kanpur district. A sum of Rs. 10,405/- (Rs.Ten Thousand Four Hundred and five only) were contributed by the executing organization, during the two phases of the project. In first phase, organization contributed Rs.7,140/- (Rs. Seven Thousand One Hundred Forty only) and in second phase of the project, organization contributed Rs.3,265/- (Rs. Three thousand two hundred sixty five only). Therefore, it has been found, that after the completion of the project a total sum of Rs.4,26,505/- has been spent on this project. Except CAPART assistance and Organization contribution, no other amount has been generated from any other source like-Bank Loan, Govt. subsidies, contribution from beneficiaries etc., to perform vermi-culture project in the area.

The stipulated objectives of the project have been achieved. 100 beneficiaries have been selected from 10 villages of Bidhunu block of Kanpur-Nagar to trained them in vermi-composed technology. 200 vermi-pits have been constructed @ 2jpits for each beneficiary. So the target of 200 vermi-pits have been achieved by the Organization. The selection of beneficiaries were made according to the norms. Out of 100 beneficiaries 43 belong to schedule caste, 54 belong to OBC and 03 belong to general cast. All these beneficiaries are small and marginal farmers of the concerning villages. It has been informed by the project implementing Agency (PIA) that the beneficiaries have been involved since project was conceived. It has also been informed that the people of the target area have participated in the programme with high enthusiasm after initial reluctance. This fact has been observed by making a field visit in the area and has found current after making an interview with some of the beneficiaries of the

vermi-culture programme. Evaluator met with 17 beneficiaries of vermi-culture programme of programme of different villages of Bidhunu block of the district. The name of these beneficiaries are (1) Shivpal Rajput, Cast OBC, Gram Pradhan of Parsouli (2) Radhey Shyam, village Parsouli (3) Kallu, S.C. village Kharakpur (4) Ram Jeevan, village Karakpur (5) Lallan and (6) DeshRaj, OBC of Nayapurva (7) PrathviRaj OBC of Gulabpur, (8) Suraj Bali, S.C. (Pradhan of Nagwar) (9) Rajendra, OBC of Nagwar (10) Ram Swaroop, S.C. (11) Ram Deen, S.C. of Tulisiapur (12) SurajBali of Gulabpur, OBC (13) Ram Kumar, OBC (14) Raj Kumar, S.C. of Mareia (15) Chhote S.C. of Ghurau Kheda (16) Chandra Pal, OBC of Palampur village and (17) Vinod Pal, OBC of Katonghar village.

All these beneficiaries in their interview said to evaluator that they were not agreed with the organization in the start of vermi-compost programme but gradually they all could be able to understand the concepts and the main objective of the vermi-compost technology and started bringing it in practice in order to minimise the chemical fertilizers in agricultural practices. After a bit opposition they have started to understand the overall strategy to bring down the cost inputs in agricultural current practices and evolve the strategy to improve the agricultural productivity. It has come to know that one of the beneficiary and pradhan of parsouli village was very much against regarding this programme at its initial stages. But he told to the evaluator at the time of interview, that he become the fan of this programme, when he used the vermi-composed in his farm and found a big positive effect on the productivity. Therefore, it has been found that the beneficiaries of the vermi-compost programme are fully satisfied with the project in their areas. A list of 100 beneficiaries has been given in the annexure 1 and 2. These 100 beneficiaries were selected in two phases of the project. In first phase from 1.8.2004 to 31.1.2005, 50 beneficiaries were selected and in second phase of the project from 1.9.2005 to 28.2.2006, again 50 beneficiaries were selected (pl. see in Annx. 1&2).

It has been informed by the President of the society for Integrated Sustainable Development, Mr. K.P. Bikal, that, at the initial stage of the project most of the villagers including one or two village pradhans were not co-operative with them. They were not having faith in vermi-compost but after organizing few workshops on vermi-culture programme. They were able to understand the programme and started co-operating with society members. To find out few facts regarding the programme completed by

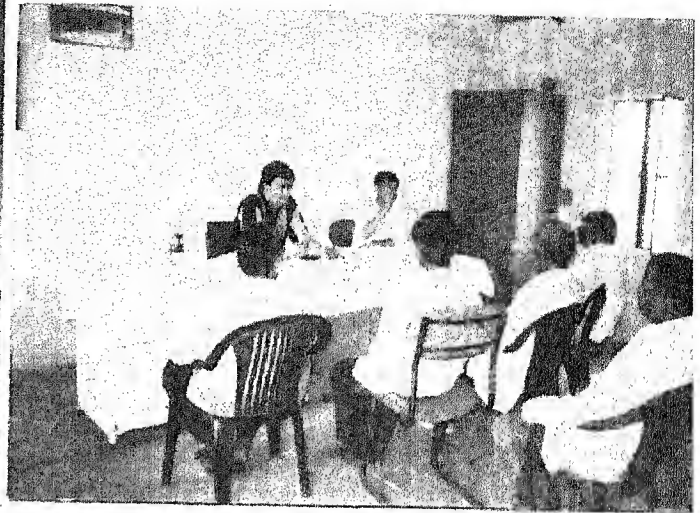
the organisation a meeting with the members of the society (photoplate-1) and Gram Pradhan (photoplate-2) were organised at the working site of the project. Evaluator also met with the beneficiaries of the vermi-compost programme on the site (photoplate-3). Regarding the vermi-culture technology programme the slogans have been painted on the wall at the right place in the villages to make people aware regarding the programme (photoplate-4). For the publicity of the vermi-compost, society has published pamphlets giving the information regarding the benefits of the vermi-compost in agriculture. No photography, video-recording have been done by the society. Only the pamphlets, having the detailed information regarding the vermi-compost have been published and distributed in all the ten selected villages of the Bidhunu block of Kanpur district. The camps regarding the vermi-compost have been organised by the society and all the beneficiaries were the participant of the camps. Experts were invited to deliver the lecturer on the subject.

At the time of field visit of the evaluator it has been found, that the society for integrated sustainable development has developed few vermi-compost pits at Bidhunu block and people were maintaining these pits and developing vermi-compost (photoplate-5). In all the ten villages of Bidhunu block of Kanpur district, beneficiaries are maintaining the vermi-compost pits and producing compost fertilizer in these pits. The vermi-compost pits have become the sources of their income as well as for the good chemical free fertilizer of their own farms (photoplate-6). It has been found that the fertility of the land has been improved a lot by using compost fertilizer regularly. The paddy crop was found good in a farm where this fertilizer has been used. It has also been found that the water holding capacity of the farm has been improved a lot due to the use of this vermi-compost fertilizer. It can be clearly seen in photoplate-7.

It has been informed by the society as well as the beneficiaries of the project the overall impact of the project is remarkably very good. The production and productivity of the land has been improved a lot. Also the fertilizer the fertilizer produced through vermi-culture technology is environmental friendly, which increases the productivity of the soil and good quality of its produce. At the time of field survey, it has been found that the impact of the project was highly positive. The project area become green belt due to the vermi-compost technology (photoplate-8).



Photoplate-1: Members of the Society



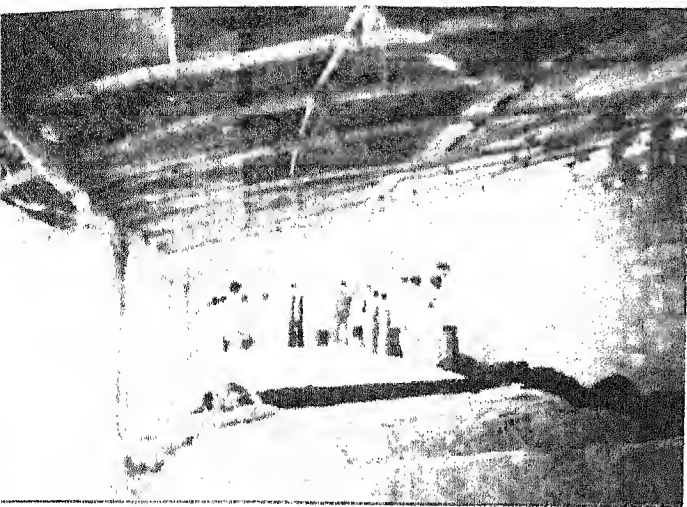
Photoplate-2: Gram Pradhan of Concerning Villages



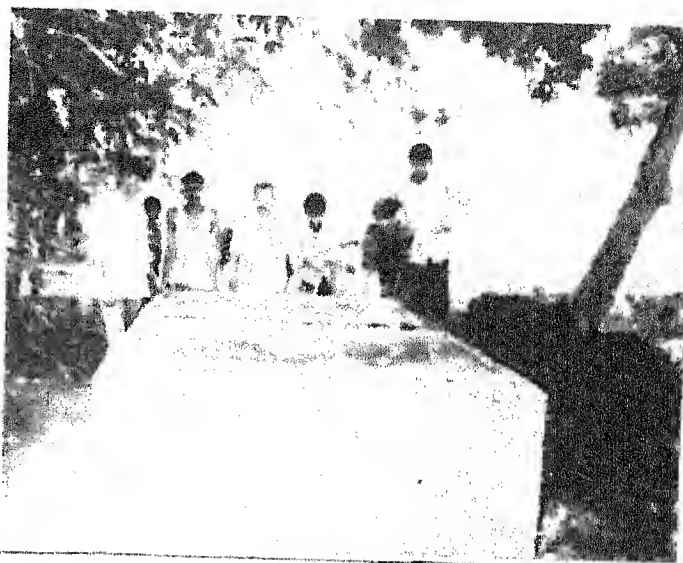
Photoplate-3: Beneficiaries of Vermi-Compost Technology



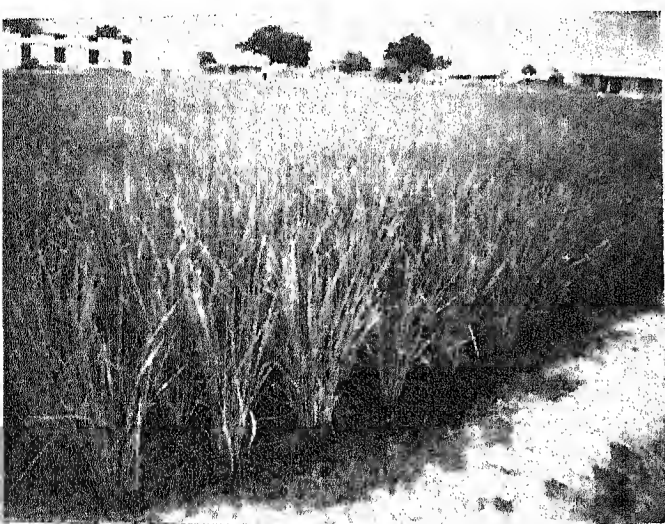
Photoplate-4: Publicity of the Programme



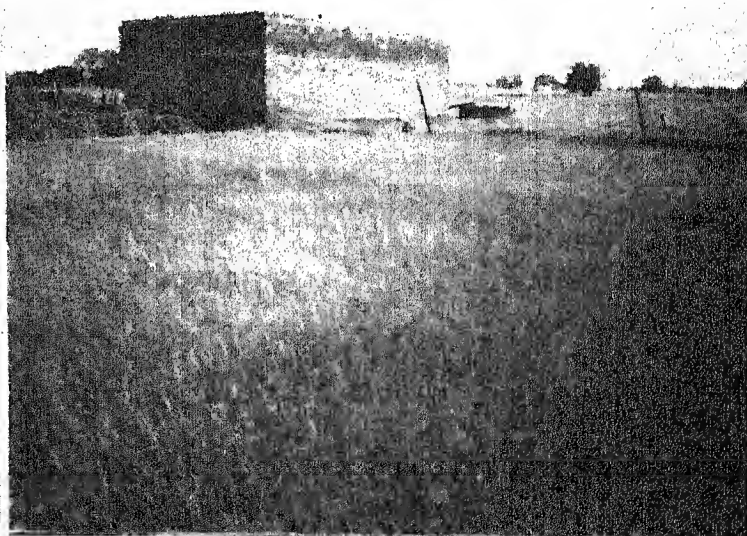
Photoplate-5: Pits of the Vermi-Culture Technology



Photoplate-6: Beneficiary with his Vermi-Culture Pits



Photoplate-7: Improved Soil Fertility



Photoplate-8: Impact of Vermi-Compost Technology

As far as sources of finances is concern the maximum amount of the project Rs.4,16,100.00 has been sanctioned by the CAPART and has been released to the society of Integrated Sustainable Development, Kanpur in the two installment of Rs.2,08,050/- each. A total amount of Rs.10,405/- were contributed by the organization itself. No other money has been develop or contributed from any other sources like Bank loan, Govt. subsidies, Contribution from beneficiaries etc. (Table-1). So a total amount of Rs.4,26,505/- were develop to perform this project in 10 villages of Bidhunu block.

Table-1 Source of Financing for the Project Vermi-Compost

Sl.	Source	1.8.2004 -31.01.2005	1.9.2005 t-28.02.2006	Total
		Amount in Rs.	Amount in Rs.	Amount in Rs.
1.	CAPART Assistance	208050.00	208050.00	416100.00
2.	Bank Loan	Nil	Nil	Nil
3.	Govt. Subsidies	Nil	Nil	Nil
4.	Contribution by the organisation	3265.00	7140.00	10405.00
5.	Contribution of Beneficiaries	Nil	Nil	Nil
6.	Other source if any	Nil	Nil	Nil
	Total	211315.00	215190.00	426505.00

Source : Society for Integrated Sustainable Development, Kanpur

According to the records provided and showed by the Society for Integrated Sustainable Development, Kanpur an amount of Rs.4,26,505.00 has been spent on different items, which they have performed in the project vermi-culture Technology during the period of two points i.e. 01.08.2004 to 31.01.2005 and 01.09.2005 to 28.02.2006 which has been shown in Table 2. An amount of total Rs.2,19,059.00 has been spent on the formation of compost pits, Rs.53,815.00 has spent on earth worms Rs.97,349.00 has been spent for feeding material, Rs.36,000.00 has been spent on the salary of the workers and Rs.20,282.00 spent on administrative expenses. So entire amount of Rs.4,26,505.00 has been utilized properly by the organisation. All the financial records has been maintained properly by the organisation.

Table-2: Source of Financing for the Project Vermi-Compost

Sl.	Source	Amount Utilized During First Six Months (Rs.)	Amount Utilized During Second Six Months (Rs.)	Total Amount One year (Rs)
1.	Compost Pit	1,10,400.00	1,08,659.00	2,19,059.00
2.	Earth Worms	25,565.00	28,250.00	53,815.00
3.	Feeding Material	49,037.00	48,312.00	97,349.00
4.	Salary	18,000.00	18,000.00	36,000.00
5.	Admini Expenses	8,313.00	11,969.00	20,282.00
		2,11,315.00	2,15,190.00	4,26,505.00

Source : Society for Integrated Sustainable Development, Kanpur

It has been found that the project has been successfully implemented in the Bidhunu block of Kanpur district. The desire objectives have been achieved by the organization. There was no provision for the creation of assets in the project. The follow up of the project technology is required in the area and few more blocks of the district should be selected by the organisation and must be treated. The overall performance of the organisation is found satisfactory and has a great scope for the replications of this vermi-culture technology programme in the other blocks and villages of the Kanpur district.

**Annexure - 1**

Project No. : ARTS/UPR/16/115/2002  
 Supported by : CAPART (Central Zone), Lucknow, UP  
 VERMI-CULTURE TECHNOLOGY : 2004-2006  
 The Beneficiaries of Phase-1 (01.08.2004 - 31.01.2005)

SNo.	Name	S/O	Cast	Category	Village	Block
1.	Shri ShivPal	Dhaniram	Lodhi	OBC	Parsouli	Bidhunu
2.	Shri Radhey Shyam	Roopan	Lodhi	OBC	Parsouli	
3.	Shri Chunni Lal	Jangli	Lodhi	OBC	Parsouli	
4.	Shri Ram Narayana	Mahadev	Lodhi	OBC	Parsouli	
5.	Shri Shree Pal	Dhani Ram	Lodhi	OBC	Parsouli	
6.	Shri Ram	Roopan	Lodhi	OBC	Parsouli	
7.	Shri Pancham	Jhoori	Passi	OBC	Parsouli	
8.	Shri Vinod Kumar	Shri Keshan	Savita	OBC	Parsouli	
9.	Smt. Bhooli	W/O Kunji	Savita	OBC	Parsouli	
10.	Shri Chootan	Kunji	Savita	OBC	Parsouli	
11.	Shri Santosh Singh	Sunderlal	Yadav	OBC	Kharagpur	
12.	Shri Raj Kumar	Shri Rajepal	Yadav	OBC	Kharagpur	
13.	Shri Nanhe Lal	Mannu	Yadav	OBC	Kharagpur	
14.	Shri Prakash	Ram Aoutar	Yadav	OBC	Kharagpur	
15.	Shri Mahabeer	Mannu	Yadav	OBC	Kharagpur	
16.	Shri Ram Jivan	Mangali	Passi	SC	Kharagpur	
17.	Shri Kallu	Durga	Passi	SC	Kharagpur	
18.	Shri Mewa Lal	Ramcharan	Passi	SC	Kharagpur	
19.	Shri Chhote Lal	Ramcharan	Passi	SC	Kharagpur	
20.	Shri Jag Ram	Sadhu	Passi	SC	Kharagpur	
21.	Shri Siya Lal	Bhimma	Kuril	SC	Kharagpur	
22.	Shri Shiv shankar	Mohan Lal	Kuril	SC	Kharagpur	
23.	Shri Ram Balak	Badri Prasad	Lohar	OBC	Kharagpur	
24.	Shri Shiv Shankath	Raj Bahadur	Dhobi	SC	Kharagpur	
25.	Shri Ram Kishan	Jagnnath	Lohar	OBC	Kharagpur	
26.	Shri Ghan Shyam	Kashi	Lohar	OBC	Kharagpur	
27.	Shri Balwant	Moolchand	Shau	OBC	Kharagpur	
28.	Shri Kamlesh Kumar	Bhagwandeem	Passi	SC	Kharagpur	
29.	Shri Shiv Kumar	Keshan	Passi	SC	Kharagpur	
30.	Shri Shiv Prasad	Kashi	Lohar	OBC	Kharagpur	
31.	Shiv Shankar	MohanLal	Kuril	SC	Kharagpur	
32.	Shri Ramess Chandra	Ram Deen	Kushwaha	OBC	Gulabpur	
33.	Shri Sone Lal	Ram Pal	Kushwaha	OBC	Gulabpur	
34.	Shri Prathbiraj	Channa	Kushwaha	OBC	Gulabpur	
35.	Shri Rajesh	Badulu Prasad	Lodhi	OBC	Naya Purwa	
36.	Shri Deshraj	Babulal	Lodhi	OBC	Naya Purwa	
37.	Shri Chaturi Lal	Chunnu	Lodhi	OBC	Naya Purwa	
38.	Shri Lallan	Babu Ram	Lodhi	OBC	Naya Purwa	
39.	Shri Hari Narayan	Suraj Bali	Lodhi	OBC	Naya Purwa	
40.	Shri Ramesh Chandra	Pancham Lal	Prajapati	OBC	Naya Purwa	
41.	Shri Suraj Deen	Bansi	Passi	SC	Nagwan	
42.	Shri Rajendra	Babu	Kushwaha	OBC	Nagwan	
43.	Shri Amar Lal	Guljari	Passi	SC	Nagwan	
44.	Shri Suraj Bali	Shukhdev	Passi	SC	Nagwan	
45.	Shri Badi Prasad	Babu	Kushwaha	OBC	Nagwan	
46.	Shri Manoj Singh	Suraj Pal Singh	Bhadauria	OBC	Nagwan	
47.	Shri Suresh Chandra	Mahabeer	Kushwaha	OBC	Nagwan	
48.	Shri Lallan	Mohan lal	Passi	SC	Nagwan	
49.	Shri Chunnu	Maiku	Passi	SC	Nagwan	
50.	Shri Siya Dulari	W/o Shiv Praveen	Bajpayee	Gen	Nagwan	

**ANNEXURE -2 :THE BENEFICIARIES OF PHASE-2 ( 01.09.2005-8.02.2006)**

SNo.	Name	S/O	Cast	Category	Village	Block
51.	Shri Ramswaroop	Shyam Lal	Lodhi	OBC	Gulabpur	Bidhunu
52.	Shri Shiv Prakash	Ram Kishan	Kushwaha	OBC	Gulabpur	
53.	Shri Hanumant	Badalu	Kushwaha	OBC	Gulabpur	
54.	Shri Surajbali	Ramkishan	Kushwaha	OBC	Gulabpur	
55.	Shri SoneLal	Gopal Chandra	Lodhi	OBC	Gulabpur	
56.	Shri Ramesh Chandra	Suesh Chandra	Kushwaha	OBC	Gulabpur	
57.	Shri Ram Asre	Bhole	Kushwaha	OBC	Ghuruwa kheda	
58.	Shri Hari Prasad	Swamideen	Kushwaha	OBC	Ghuruwa kheda	
59.	Shri Gauri Shankar	Ram Ratan	Kushwaha	OBC	Ghuruwa kheda	
60.	Shri Raj Kumar	Chhotelal	Kushwaha	OBC	Ghuruwa kheda	
61.	Shri Dinesh	Chunii Lal	Kuril	SC	Ghuruwa kheda	
62.	Smt. Sheetla	Gangadeen	Passi	SC	Ghuruwa kheda	
63.	Shri Rakesh Kumar	Prabhu Dayal	Passi	SC	Ghuruwa kheda	
64.	Shri Chhote	Jagnnath	Passi	SC	Ghuruwa kheda	
65.	Shri Chhote Lal	Ram Jivan	Yadav	OBC	Palahnapur	
66.	Shri Dhani Ram	Babulal	Yadav	OBC	Palahnapur	
67.	Shri Deepu	Ram Swaroop	Yadav	OBC	Palahnapur	
68.	Shri Chandra Pal	Kallu Singh	Yadav	OBC	Palahnapur	
69.	Shri Lal Singh	Kallu Singh	Yadav	OBC	Palahnapur	
70.	Shri Rakesh Singh	Sukh Singh	Yadav	OBC	Palahnapur	
71.	Shri Rajesh Singh	Jagpal Singh	Parihar	General	Katonghar	
72.	Shri Ram Singh	Jageshwar	Yadav	OBC	Katonghar	
73.	Shri Jay Singh	Rakesh Singh	Yadav	OBC	Katonghar	
74.	Shri Shiv Nath Pal	Shankar Pal	Yadav	OBC	Katonghar	
75.	Shri Harish Chandra Pal	Mohan Lal Pal	Pal	OBC	Katonghar	
76.	Shri Vinod Pal	Rajju Pal	Pal	OBC	Katonghar	
77.	Shri Rahul Kumar	Souhi Lal Pal	Pal	OBC	Katonghar	
78.	Shri Devi Charan	Kalideen	Dhanuk	SC	Maraiya	
79.	Shri HariLal	Ujiyarideen	Kuril	SC	Maraiya	
80.	Shri Munna	Devi Charan	Dhanuk	SC	Maraiya	
81.	Shri Ram Kumar	Ratan	Savita	OBC	Maraiya	
82.	Shri Manni	Hira Lal	Dhanuk	SC	Maraiya	
83.	Shri Sidhnath	Babu Lal	Dhanuk	SC	Maraiya	
84.	Shri Raj Kumar	Bhagwati Prasad	Dhanuk	SC	Maraiya	
85.	Shri Lal Singh	Bhagwati Lal	Passi	SC	Maraiya	
86.	Shri Uttam Kumar	Suraj Bali	Dhanuk	SC	Maraiya	
87.	Shri Parkash Kumar	Kushhera	Kuril	SC	Maraiya	
88.	Shri Ram Swaroop	Mohan Lal	Kuril	SC	Tulsiyapur	
89.	Shri Devi Dyal	Bhola	Kuril	SC	Tulsiyapur	
90.	Shri Ramesh	Khusi Lal	Kuril	SC	Tulsiyapur	
91.	Shri Ram Deen	Naryan	Kuril	SC	Tulsiyapur	
92.	Shri Rajendra	Ram Asre	Kuril	SC	Tulsiyapur	
93.	Shri Prakash	Kusher	Kuril	SC	Tulsiyapur	
94.	Shri Vijay Naryan	Ram Prasad	Kuril	SC	Tulsiyapur	
95.	Shri Santram	Babu Lal	Kuril	SC	Tulsiyapur	
96.	Shri Ram Kishan	Jhuri Lal	Passi	SC	Tulsiyapur	
97.	Shri Jagdish	Sundar Lal	Passi	SC	Tulsiyapur	
98.	Shri Guru Dayal	Bade	Passi	SC	Tulsiyapur	
99.	Shri Rangi Lal	Bhism	Passi	SC	Tulsiyapur	
100.	Shri Virendar	Chunni Lal	Yadav	OBC	Tulsiyapur	

Source : Society for Sustainable Development, Kanpur.

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